

positi
vs
sequen

Synthesmatrix
File

Experiment

MATRIX + ~~Pos~~
Target

Scanning

Sequences
vs hybrid
intensity

File

File

positi
vs
hybrid
intensity

Target
seq info

File

hybrids of
Target

sequencing Alignment
(or Algorithm)

Solution

Figure 1

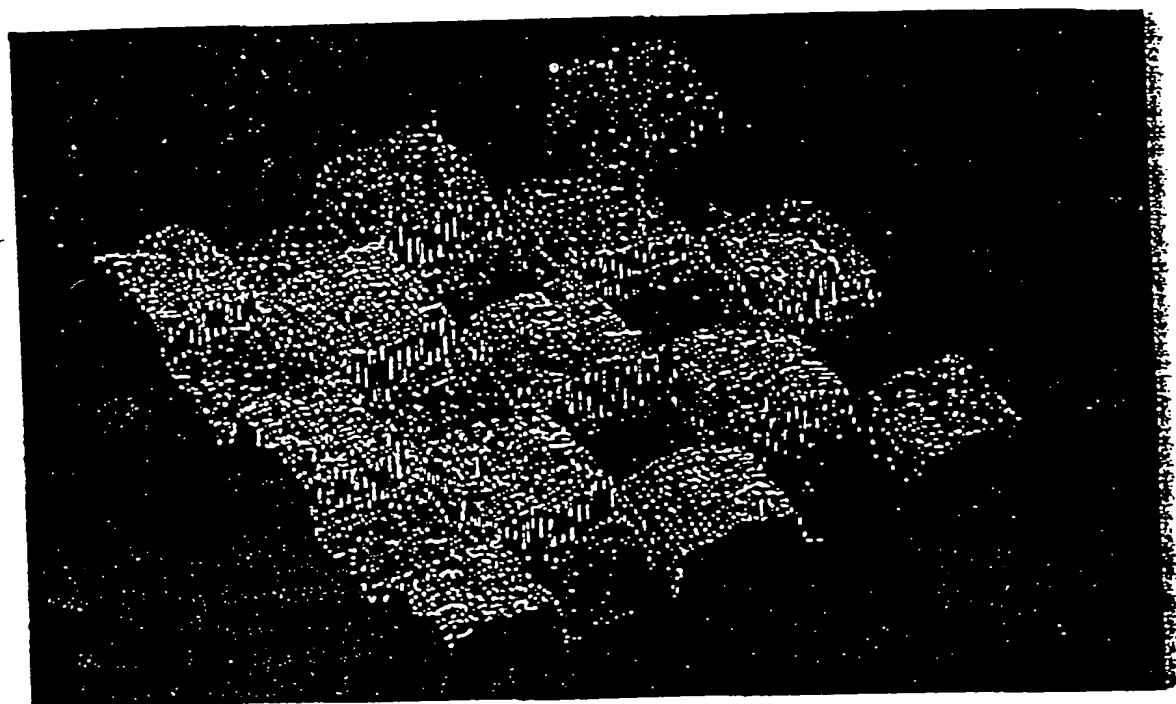


Figure 2

007000" 01015960

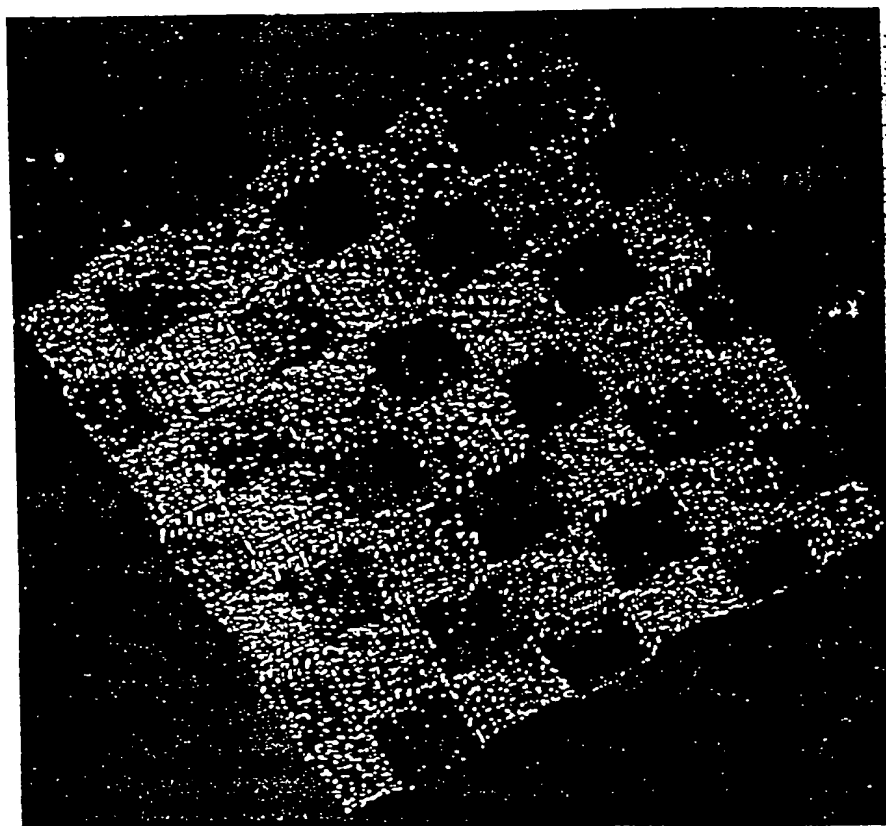


Figure 3

007060-2464560

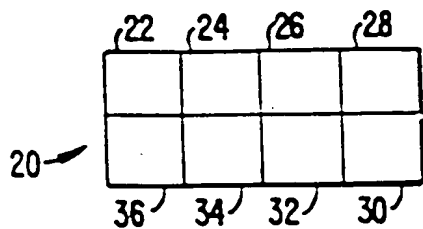


FIG. 4 A.

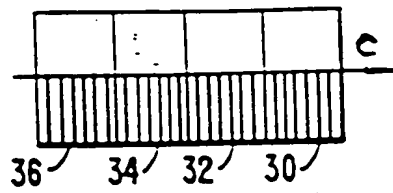


FIG. 4 B.

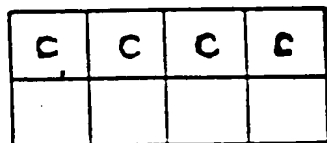


FIG. 4 C.

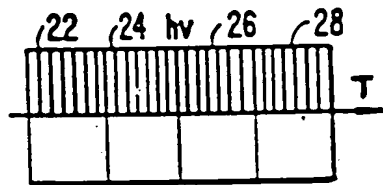


FIG. 4 D.

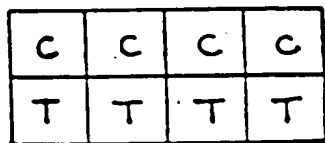


FIG. 4 E.

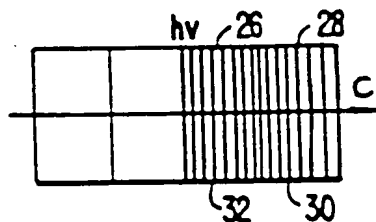


FIG. 4 F.

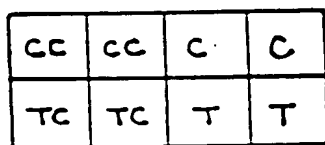


FIG. 4 G.

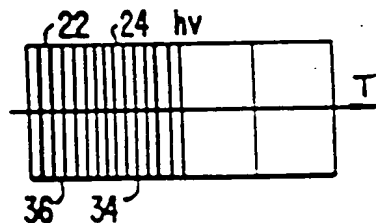


FIG. 4 H.

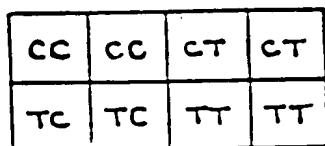


FIG. 4 I.

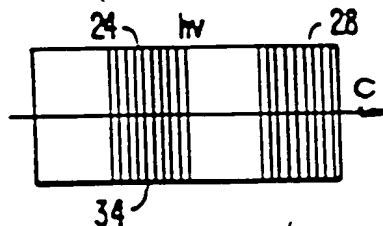


FIG. 4 J.

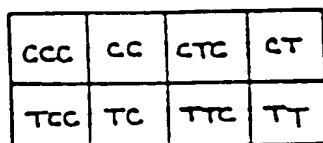


FIG. 4 K.

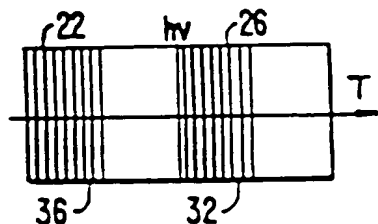


FIG. 4 L.

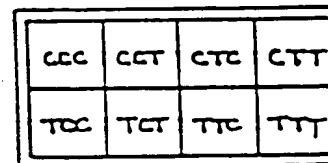


FIG. 4 M.

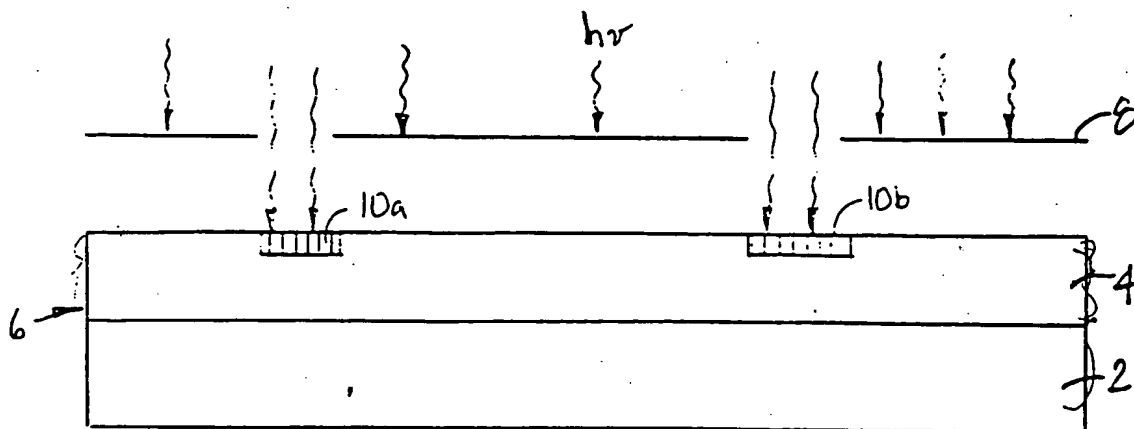


FIG. 5

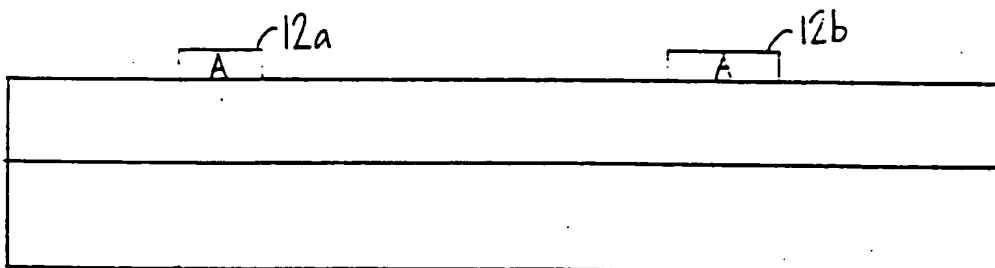


FIG. 6

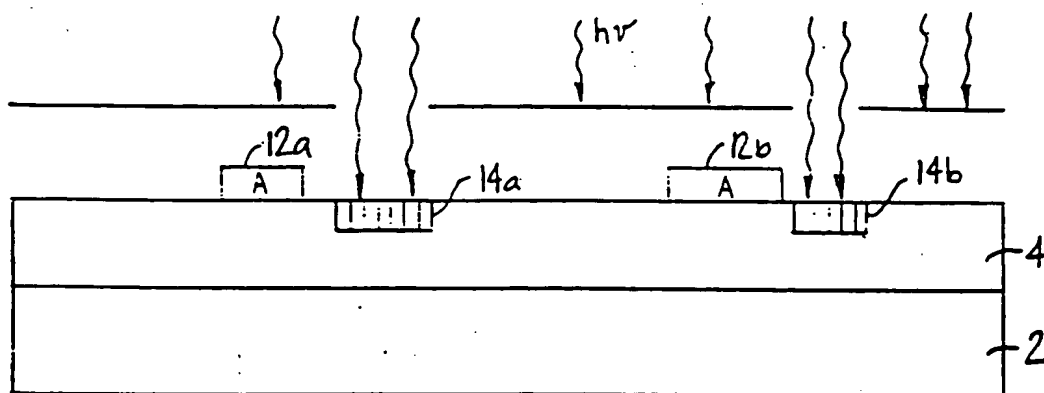


FIG. 7

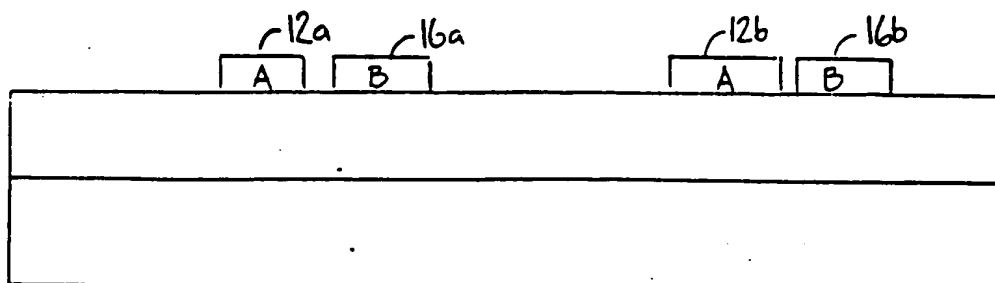


FIG. 8

001000-01015900

007000-8445550

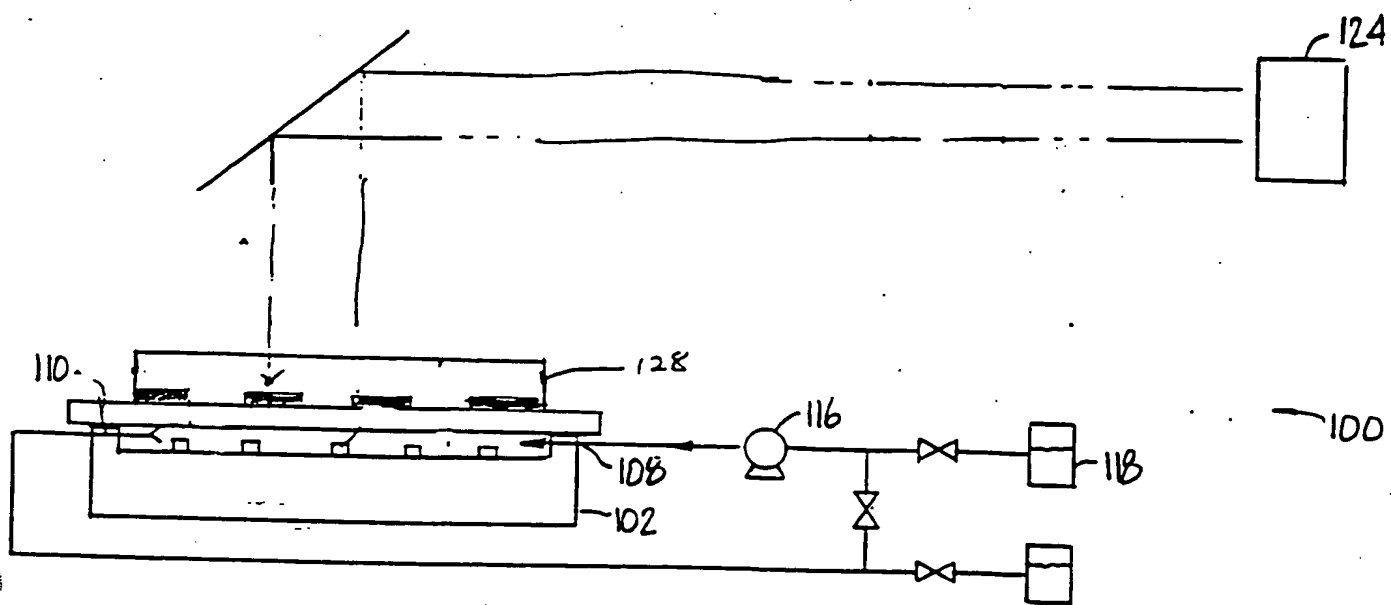


FIG. 12 B

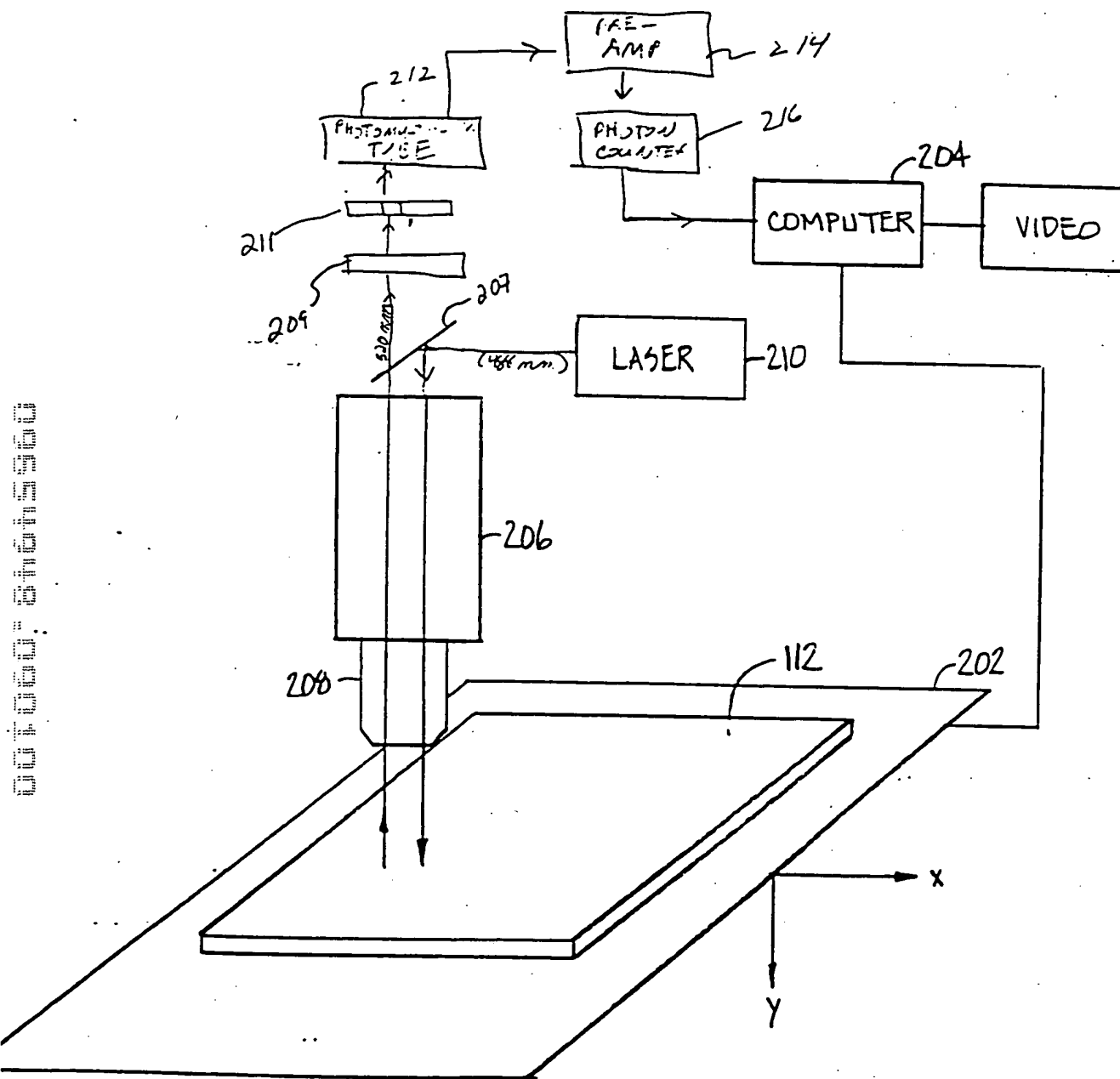


FIG. 13

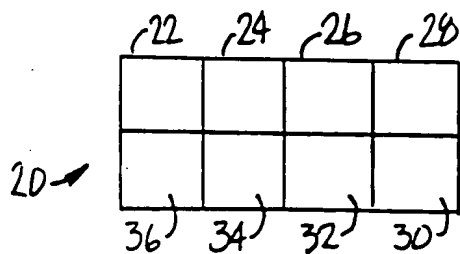


FIG. 14 A

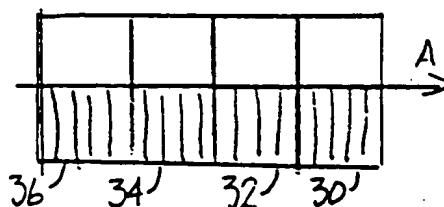


FIG. 14 B

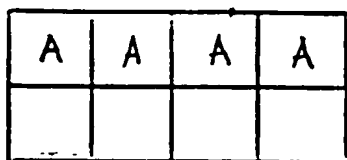


FIG. 14 C

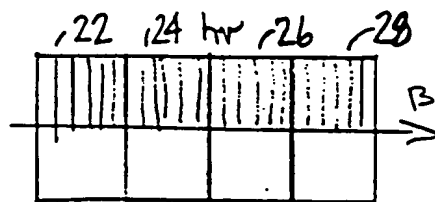


FIG. 14 D

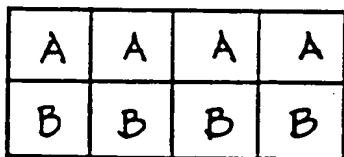


FIG. 14 E

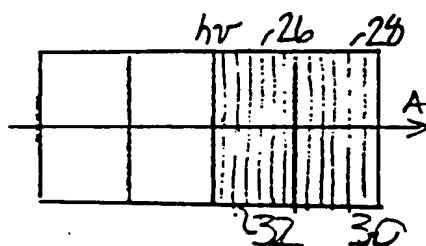


FIG. 14 F

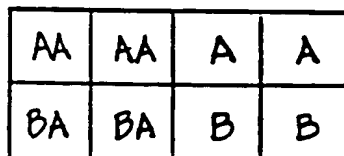


FIG. 14 G

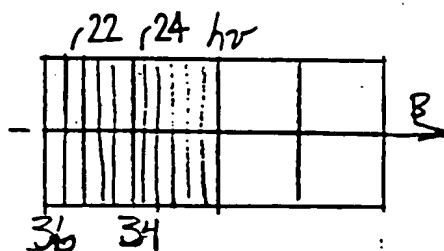


FIG. 14 H

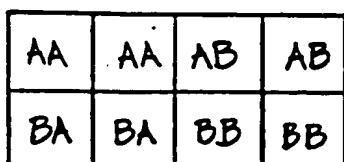


FIG. 14 I

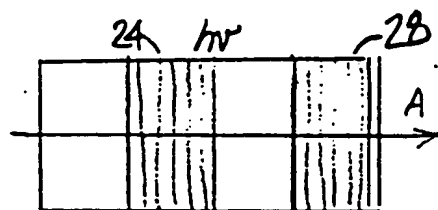
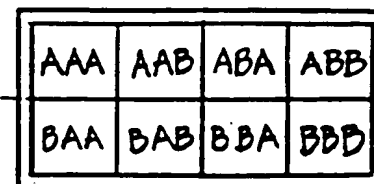
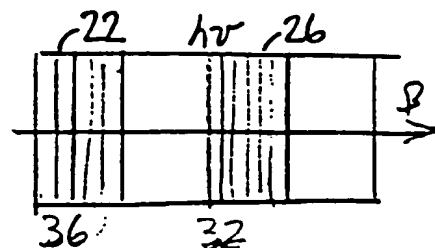
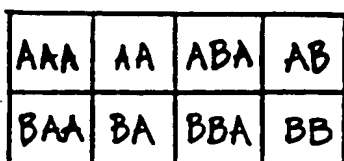


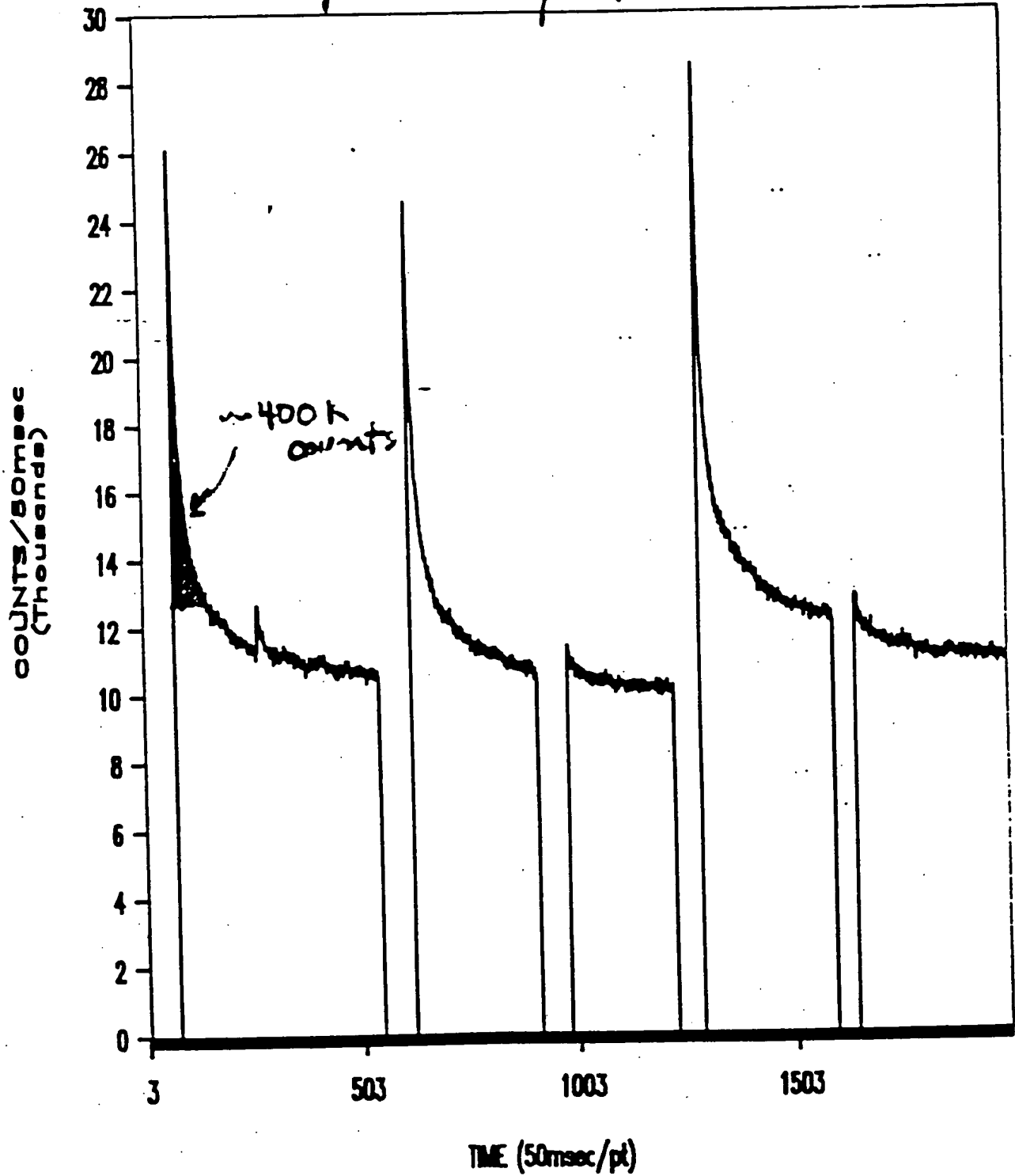
FIG. 14 J



007000 81615960

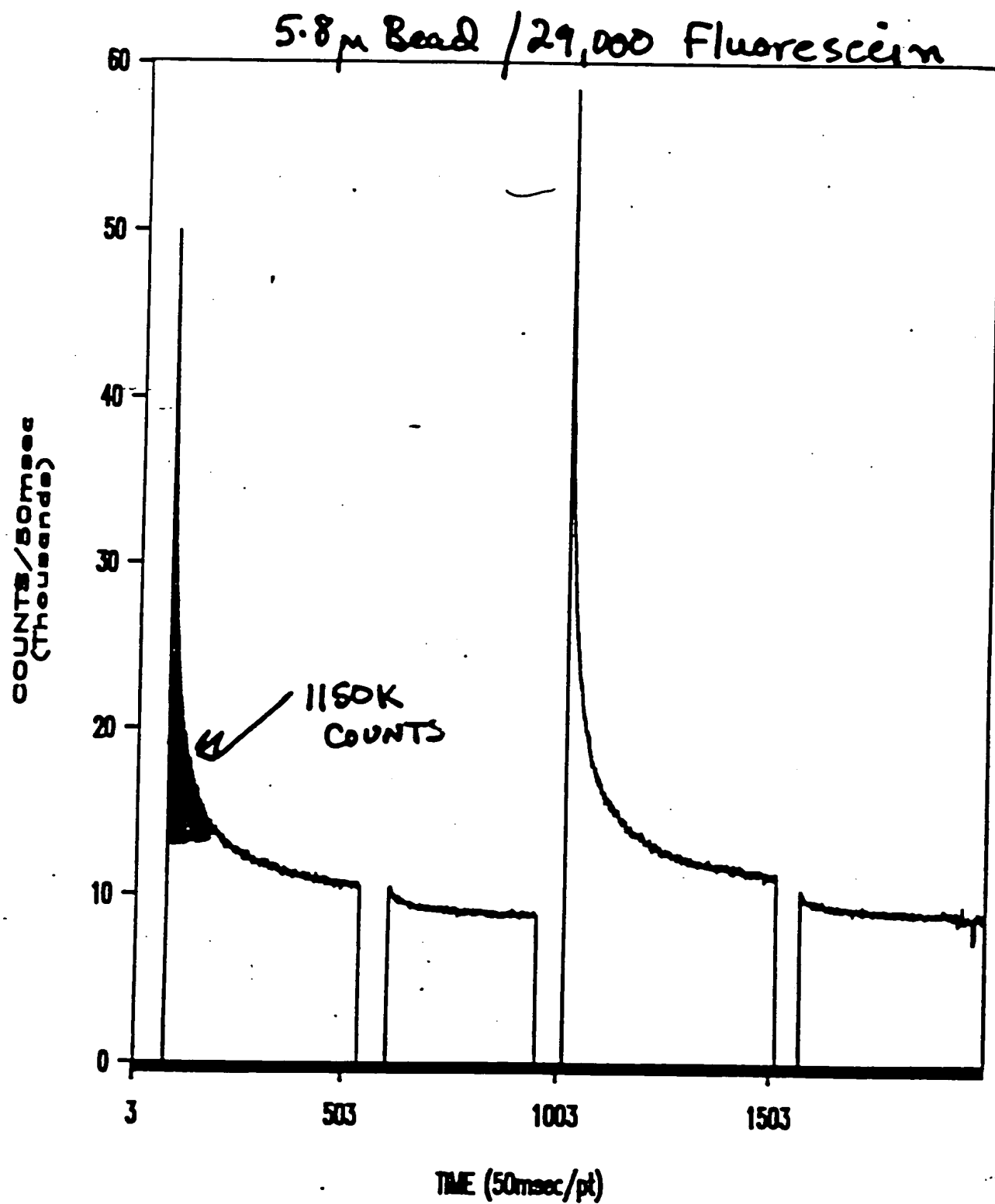
FIG. 15 A

5.8 μ beads / 7,000 Fluorescein



$\sim 2 \times 10^{-6}$ chromophore / A^2

FIG. 15 B



$\sim 8 \times 10^{-6}$ chromophore / \AA^2

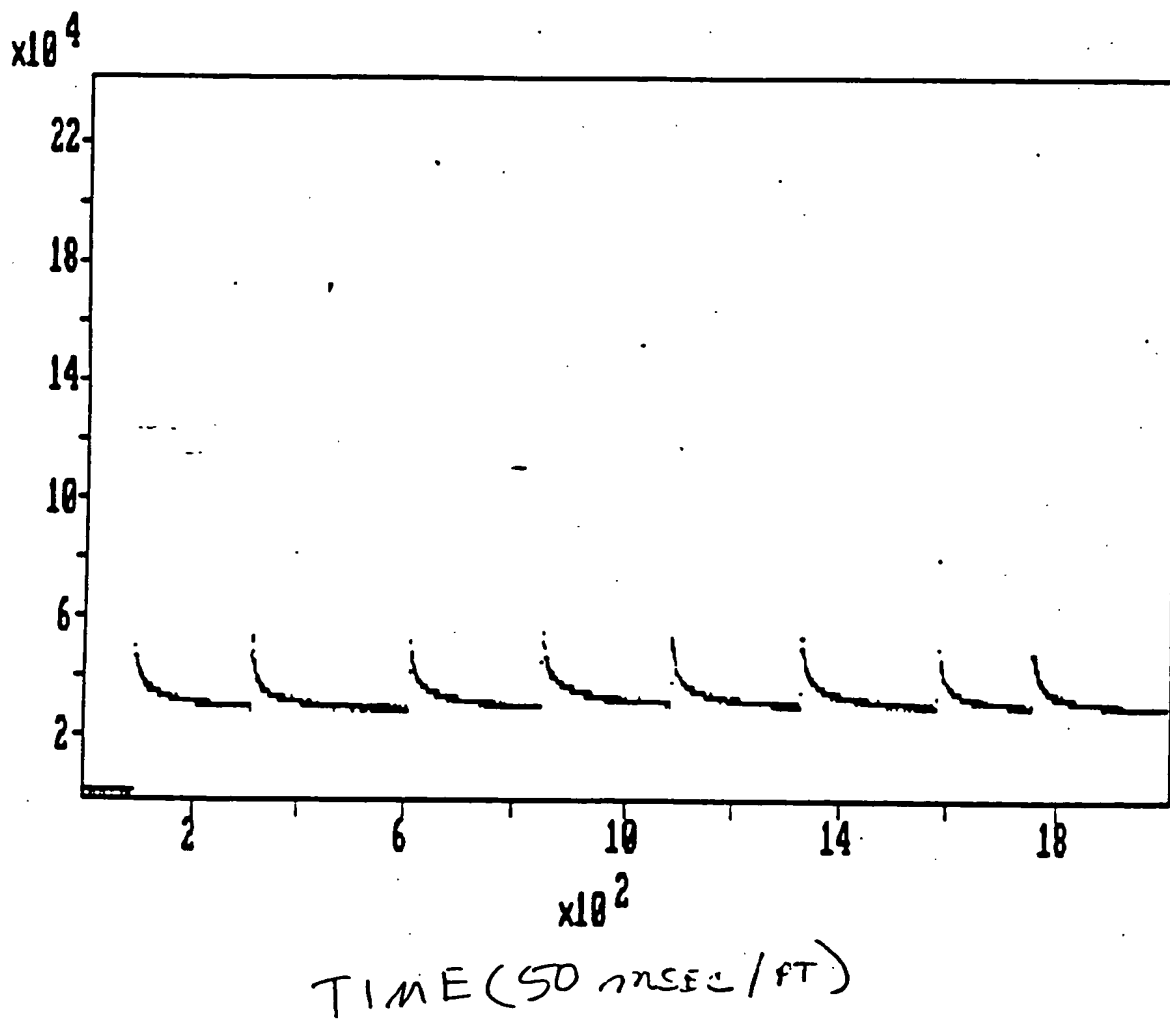
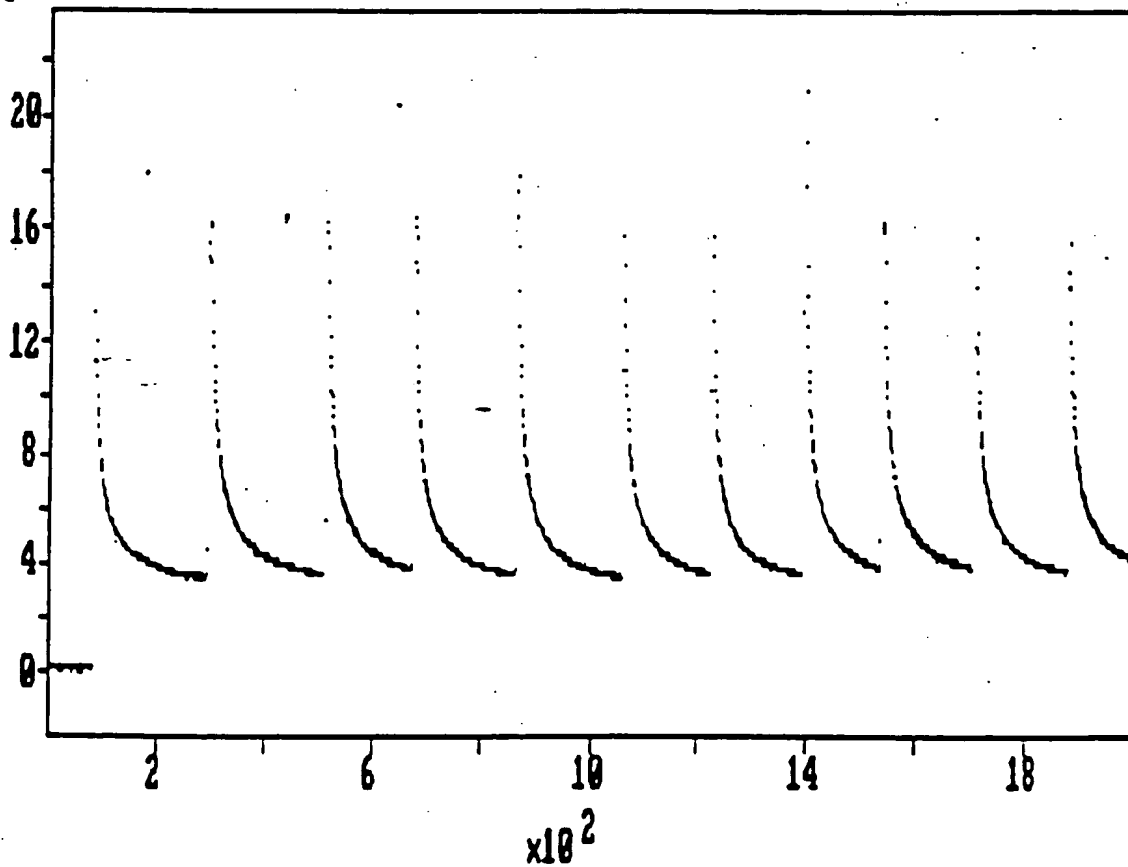


FIG. 16 A

$\times 10^4$



TIME (50 MSEC/PT)

FIG. 16 B

FIG. 17 A

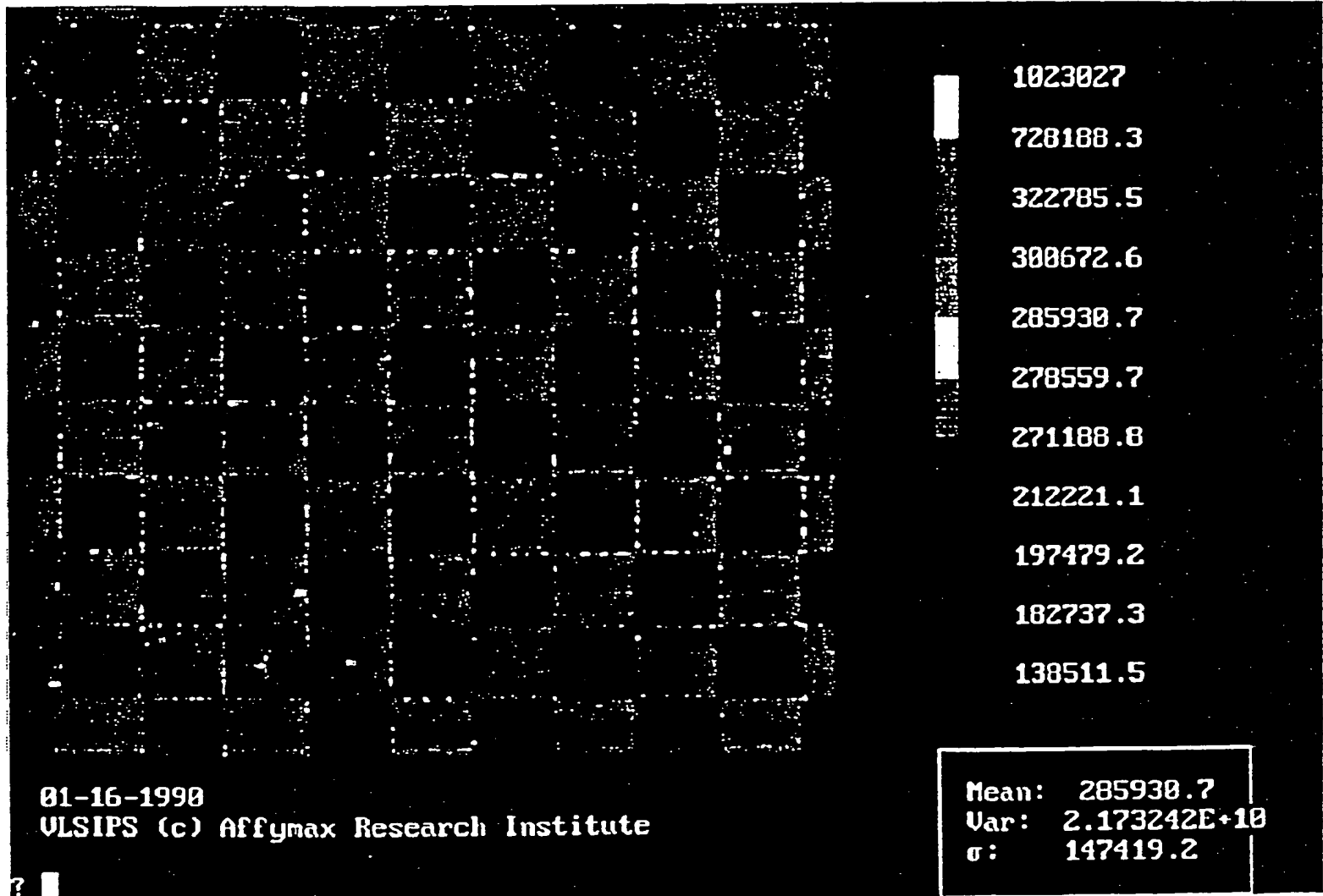


FIG. 17 B

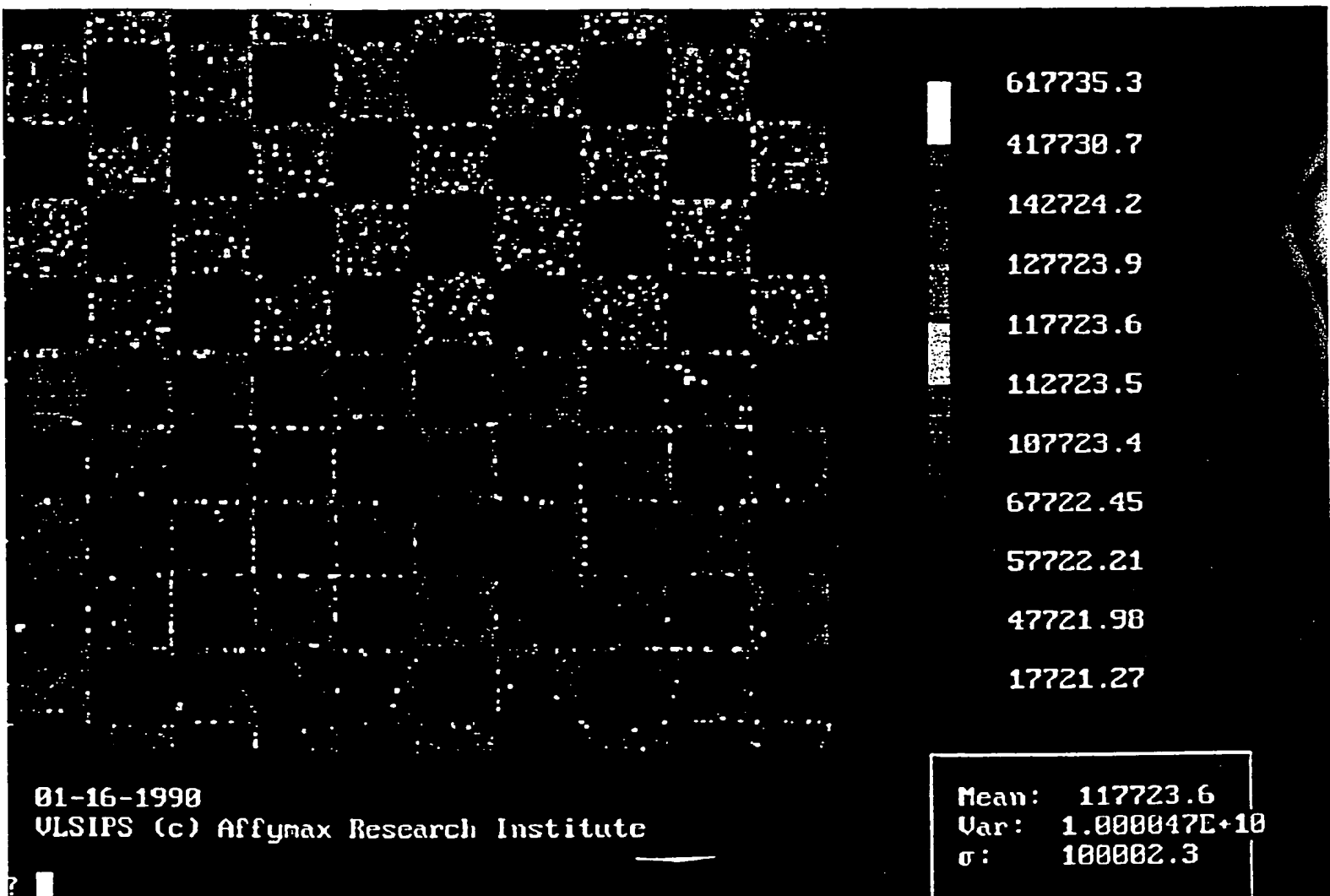


FIG. 17 C

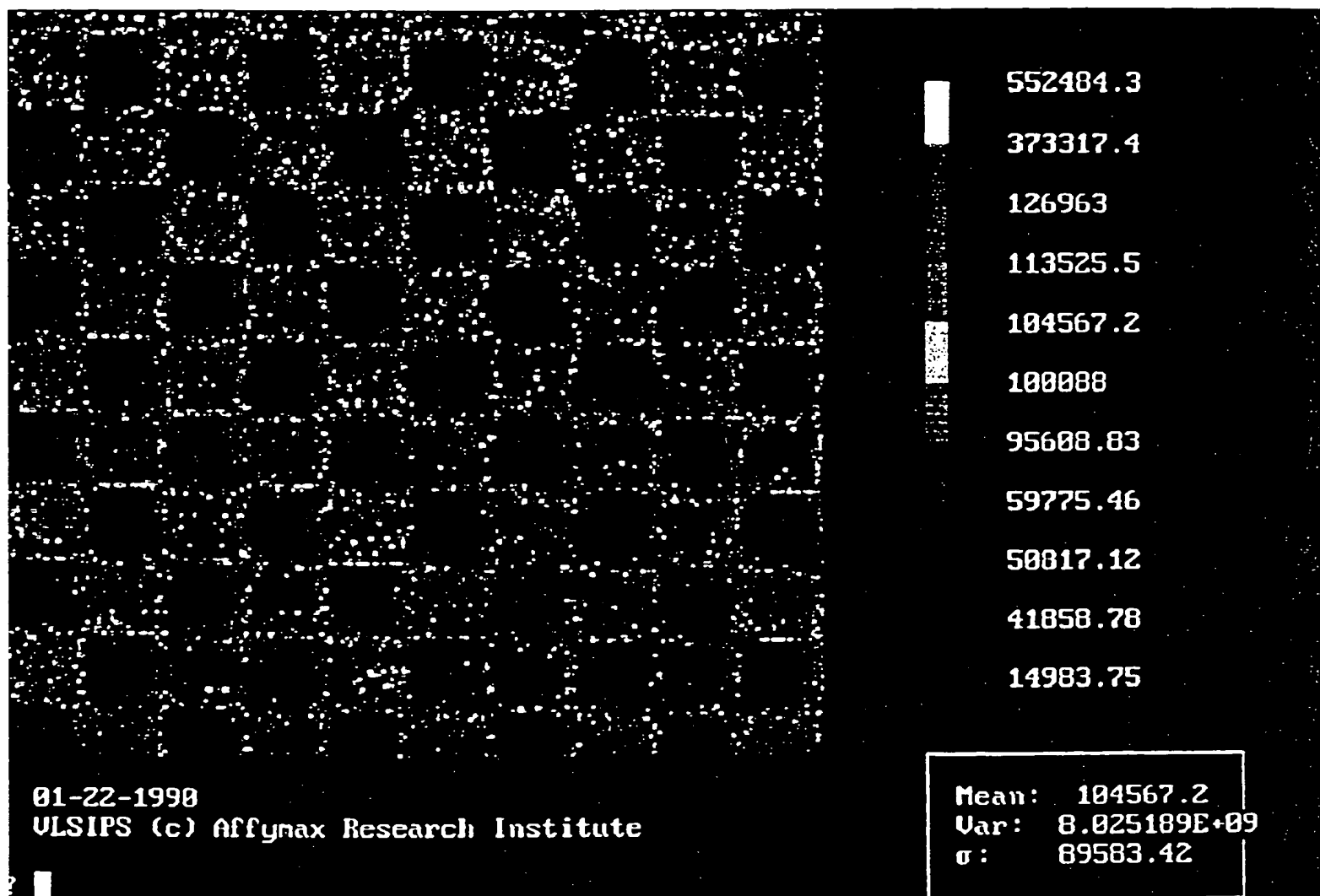


FIG. 17 D

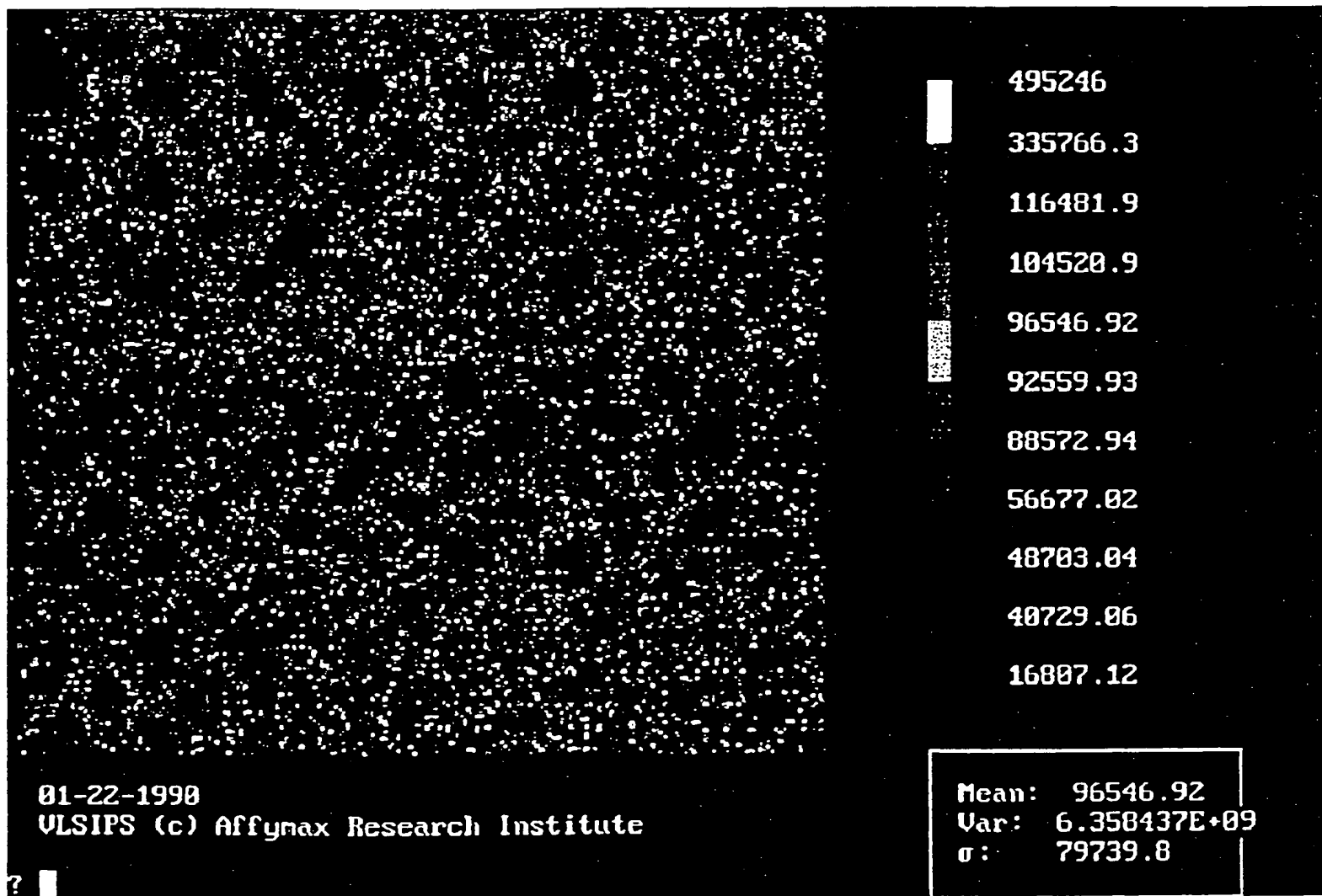


FIG. 18

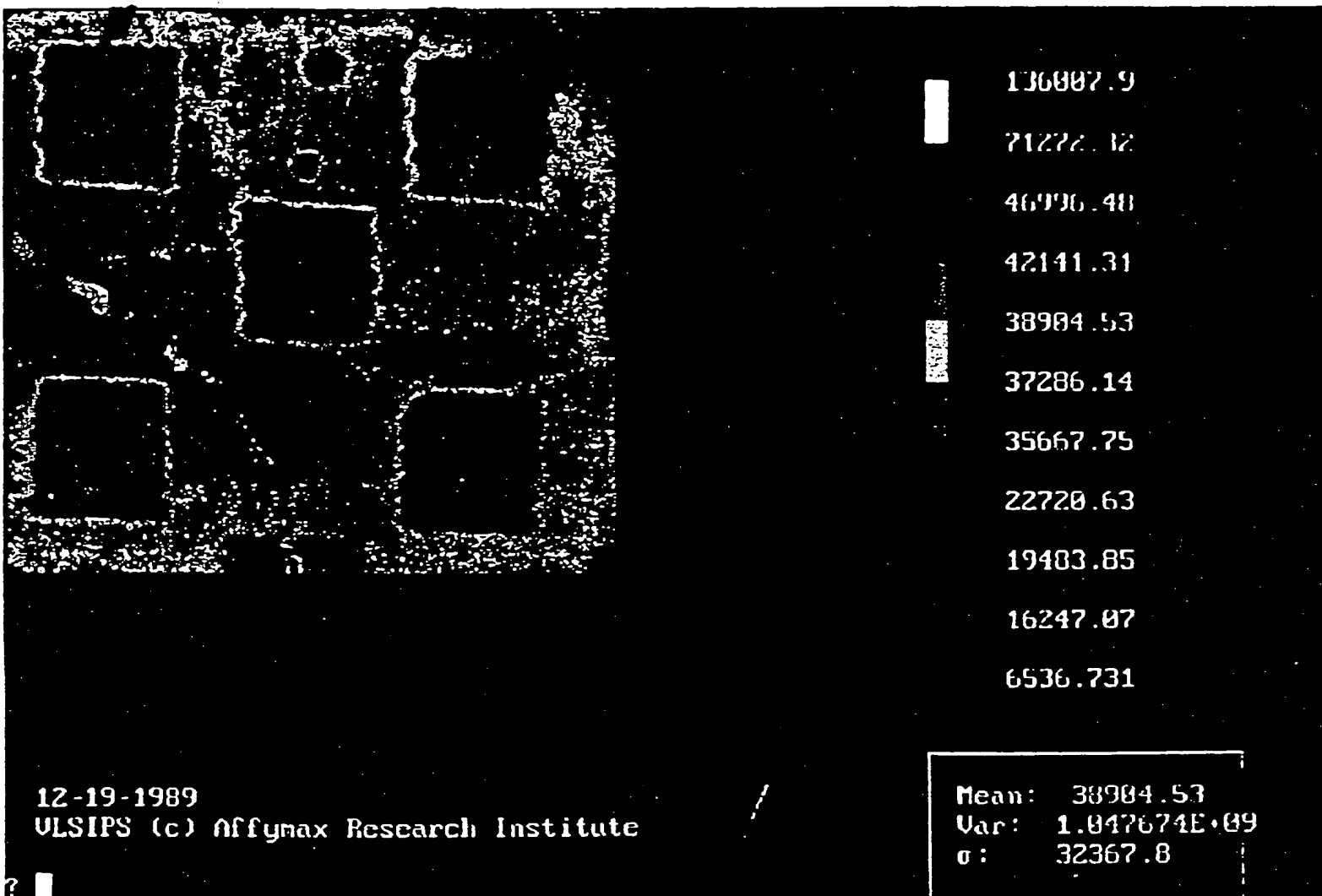
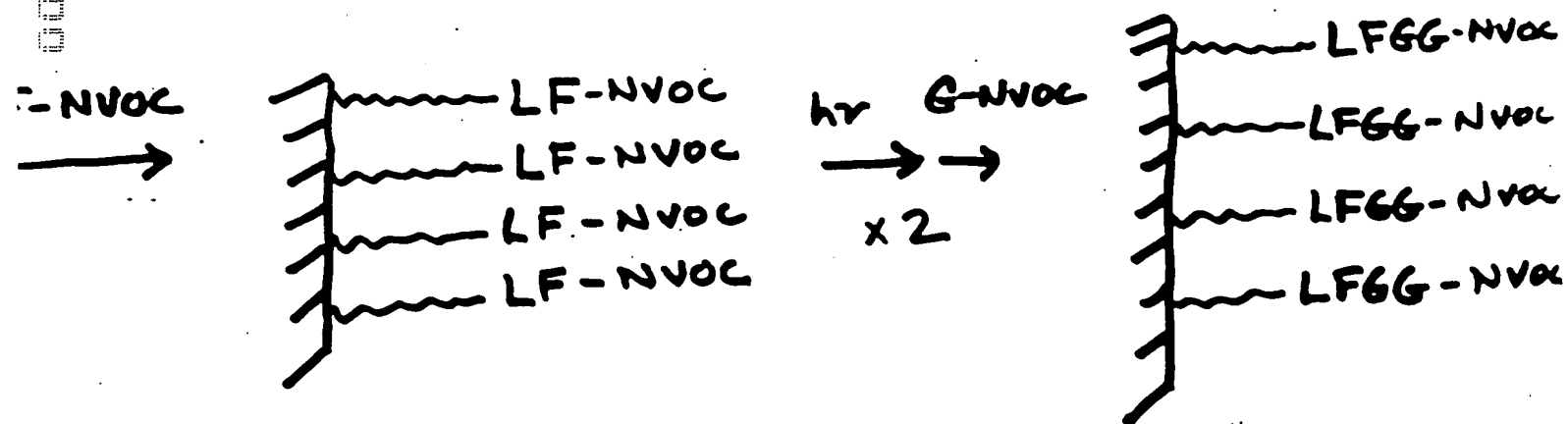
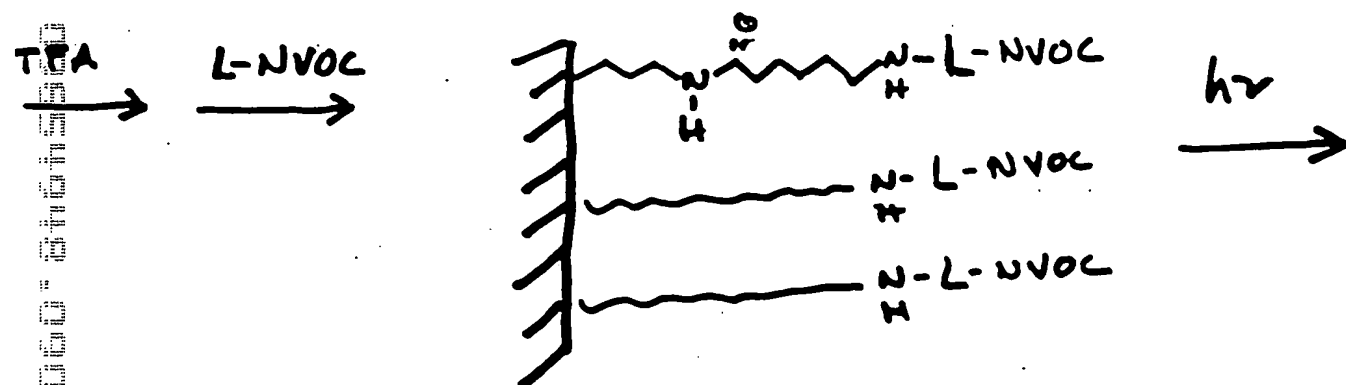
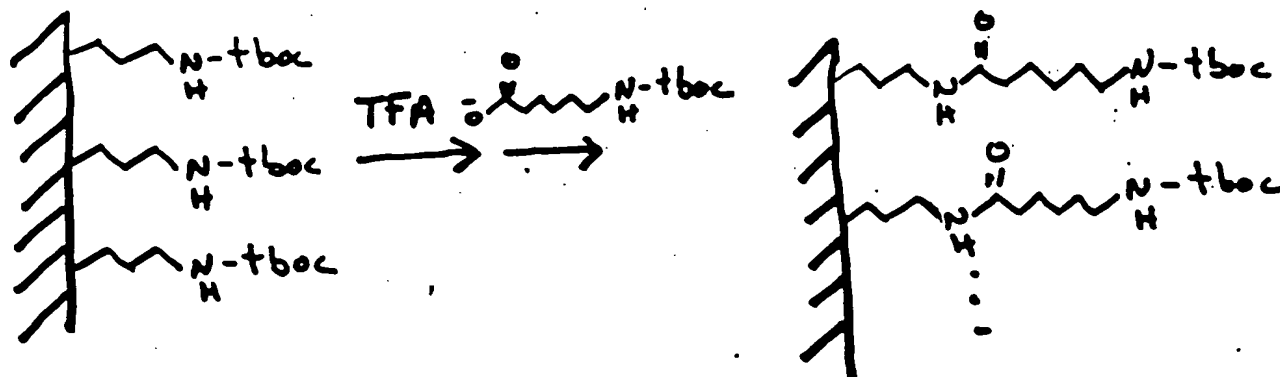


FIG. 19 A



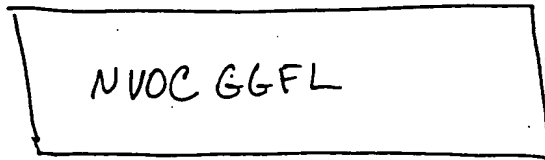
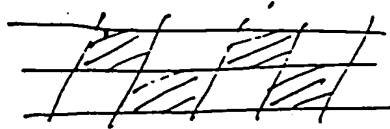
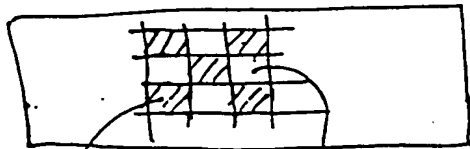


FIG. 19 B

↓ hr



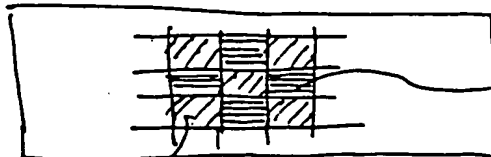
500 x 500 μm MASK



NVOC GGFL

H₂NGGFL

↓ NVOCY, hr



H₂NYGGFL

H₂NGGFL

↓ HEK2

↓ GOAT ANTI-MOUSE-FI

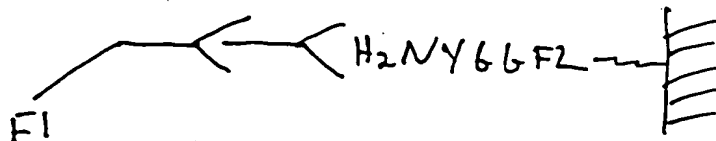


FIG. 19 C

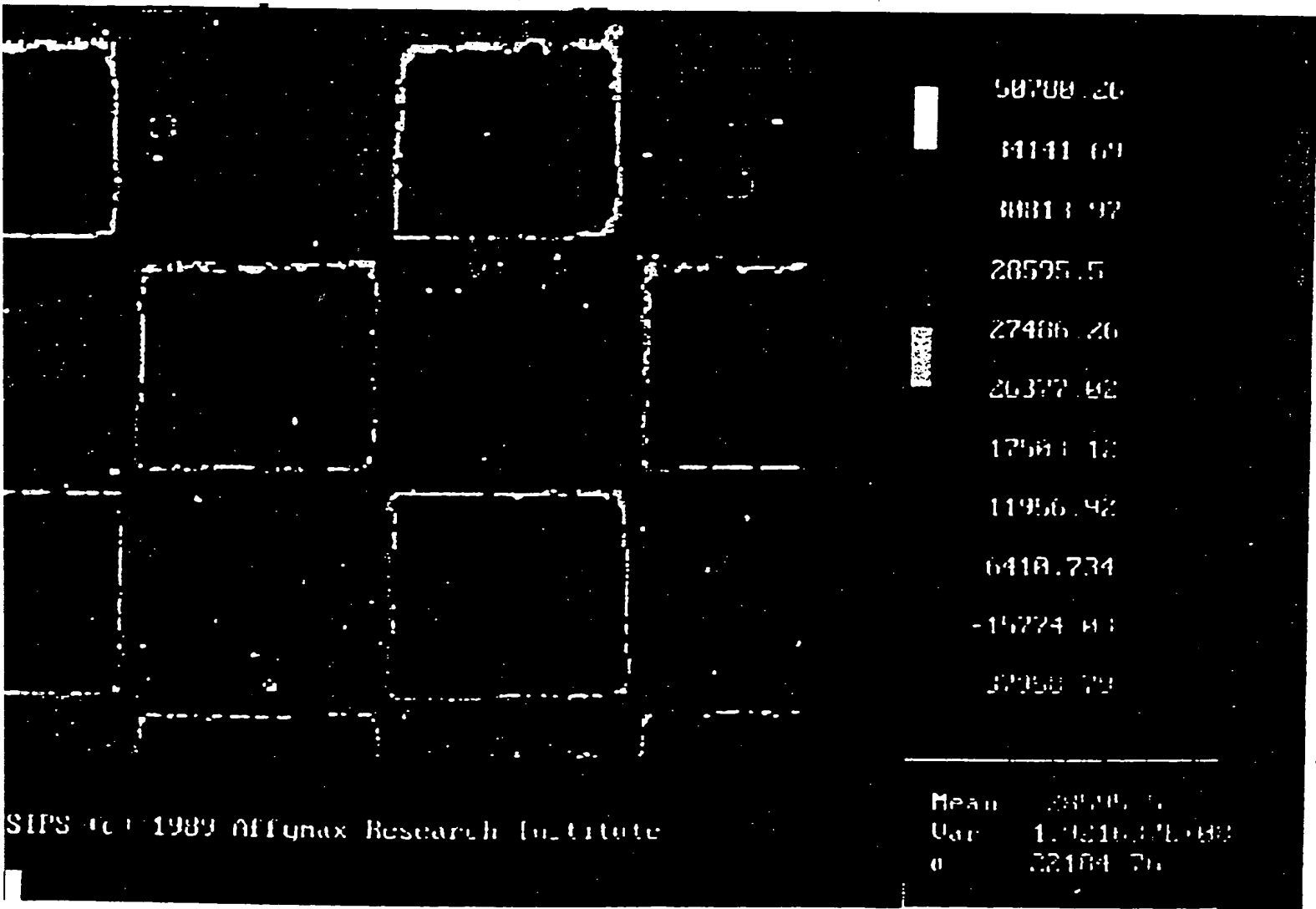


FIG. 19 D

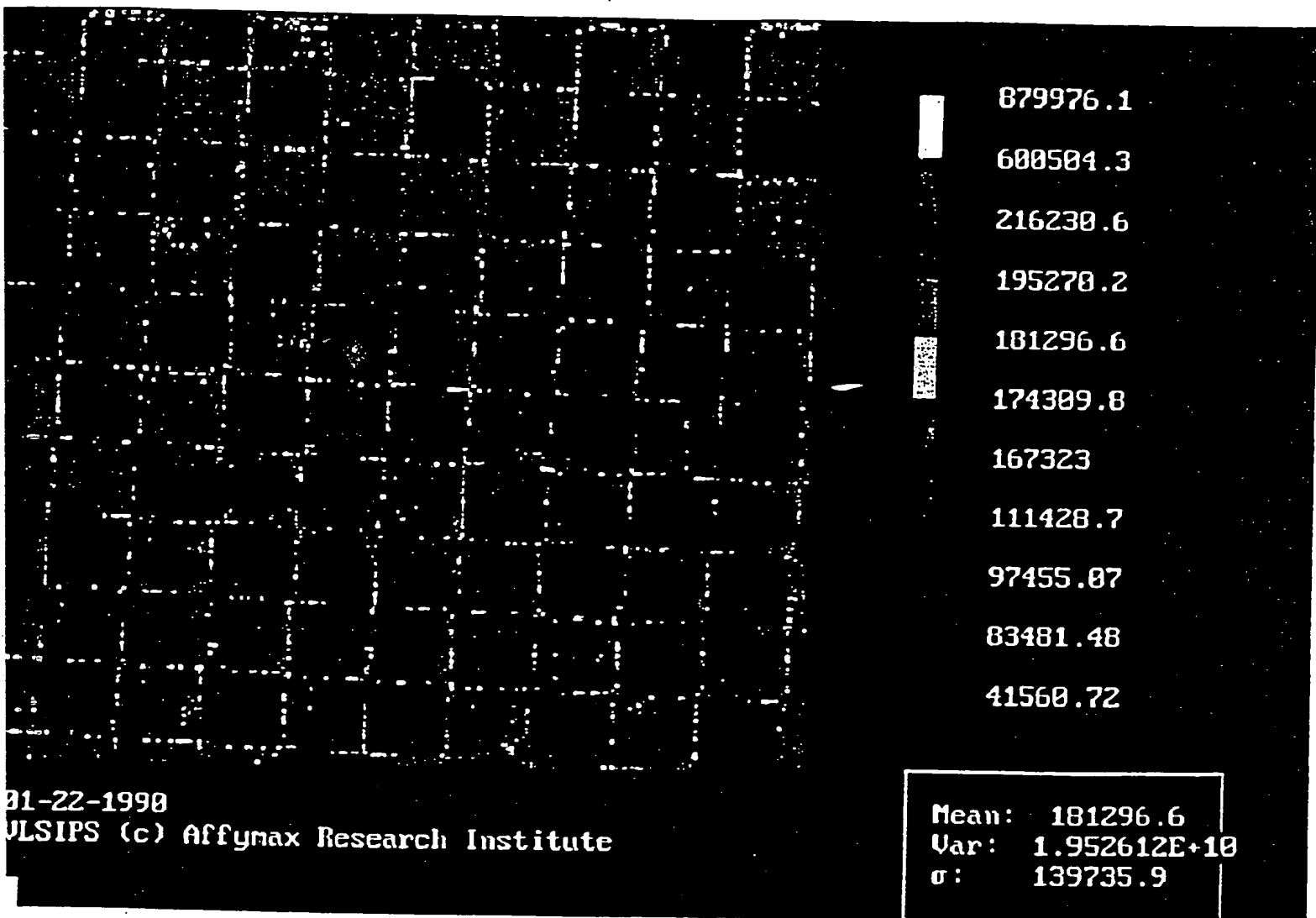


FIG. 20

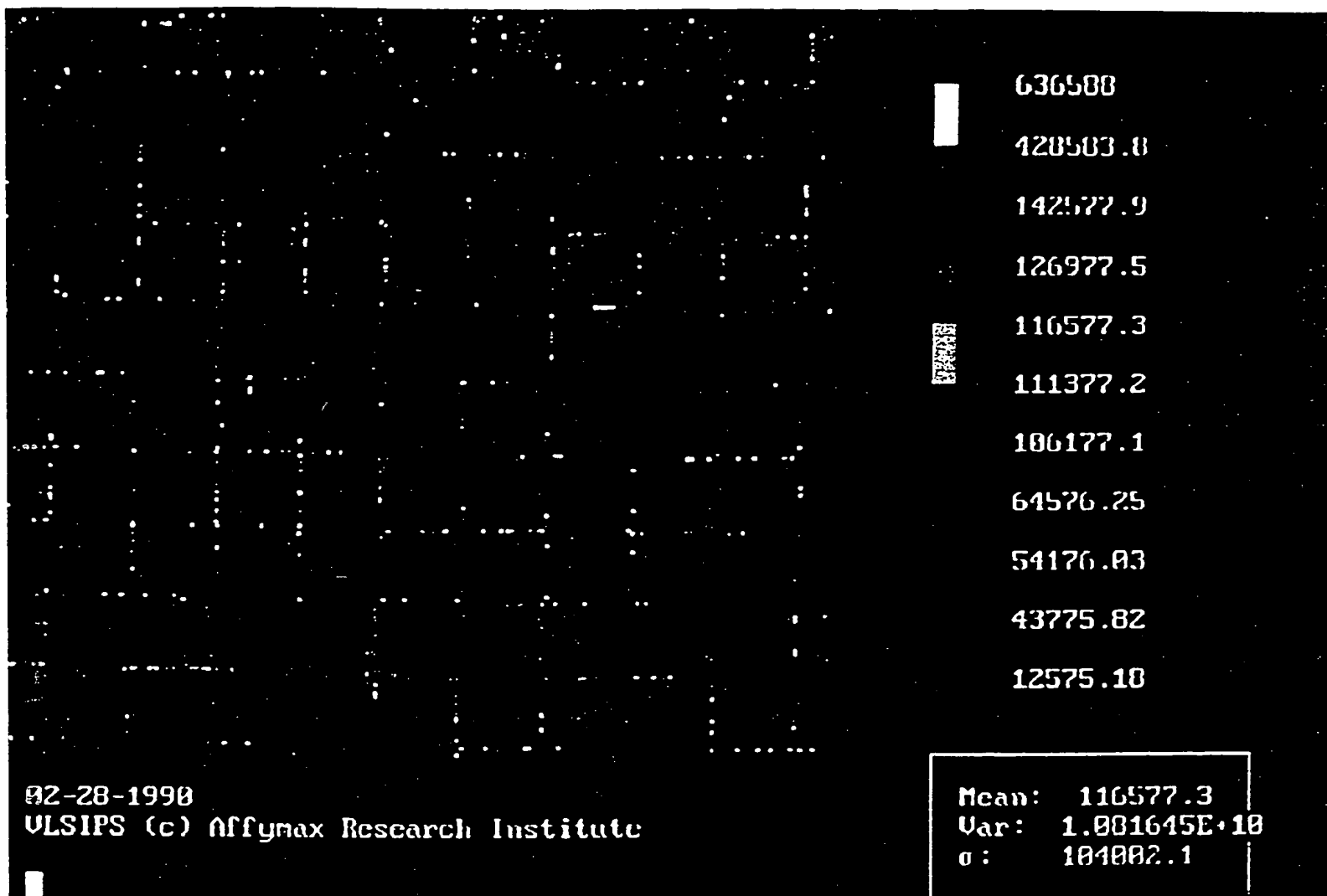
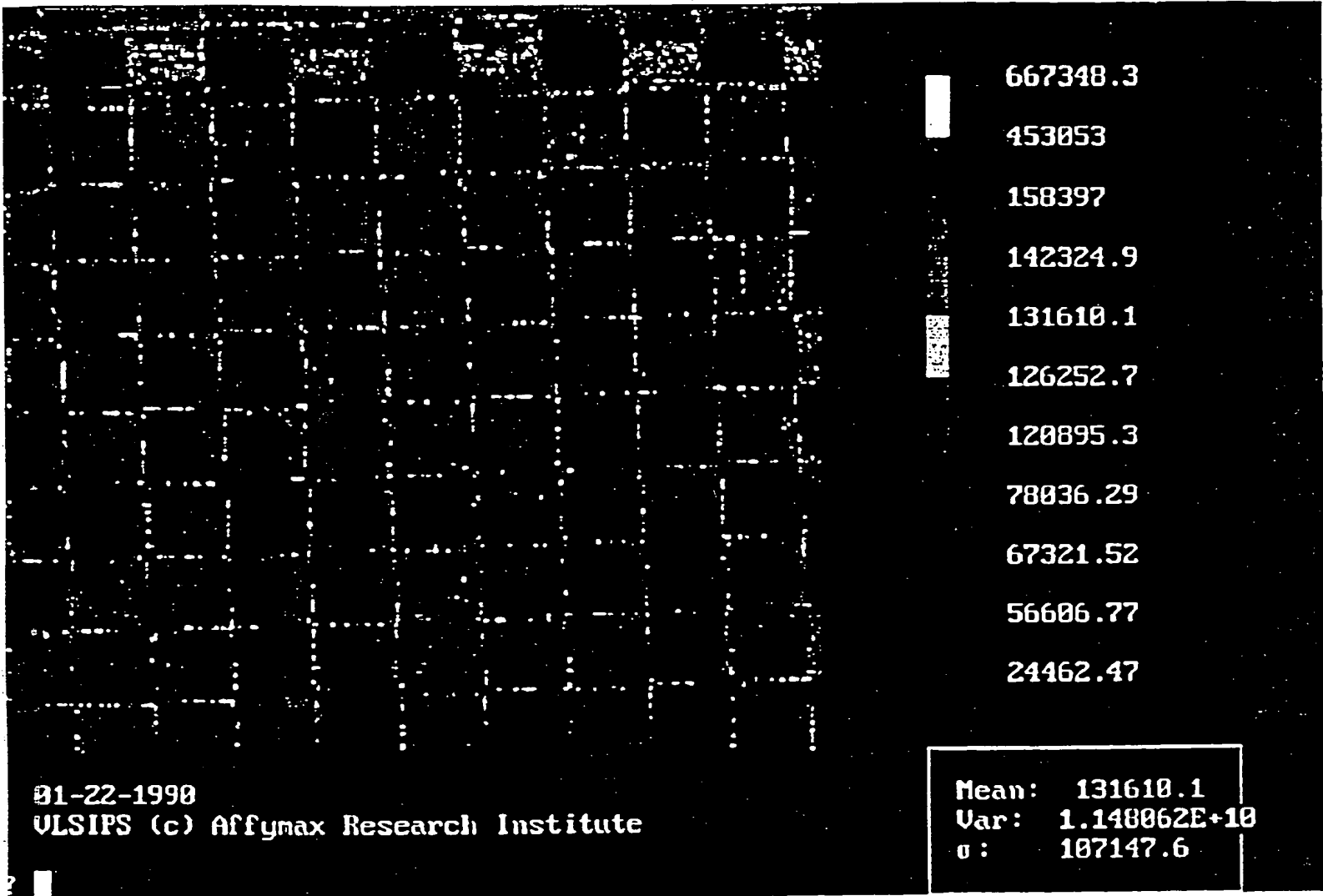


FIG. 21



P A S G

<u>L</u> PGFL	<u>L</u> AGFL	<u>L</u> SGFL	<u>L</u> GGFL
<u>F</u> PGFL	<u>F</u> AGFL	<u>F</u> SGFL	<u>F</u> GGFL
<u>W</u> PGFL	<u>W</u> AGFL	<u>W</u> SGFL	<u>W</u> GGFL
<u>Y</u> PGFL	<u>Y</u> AGFL	<u>Y</u> SGFL	<u>Y</u> GGFL

L
F L set
W
Y

FIG. 22 A

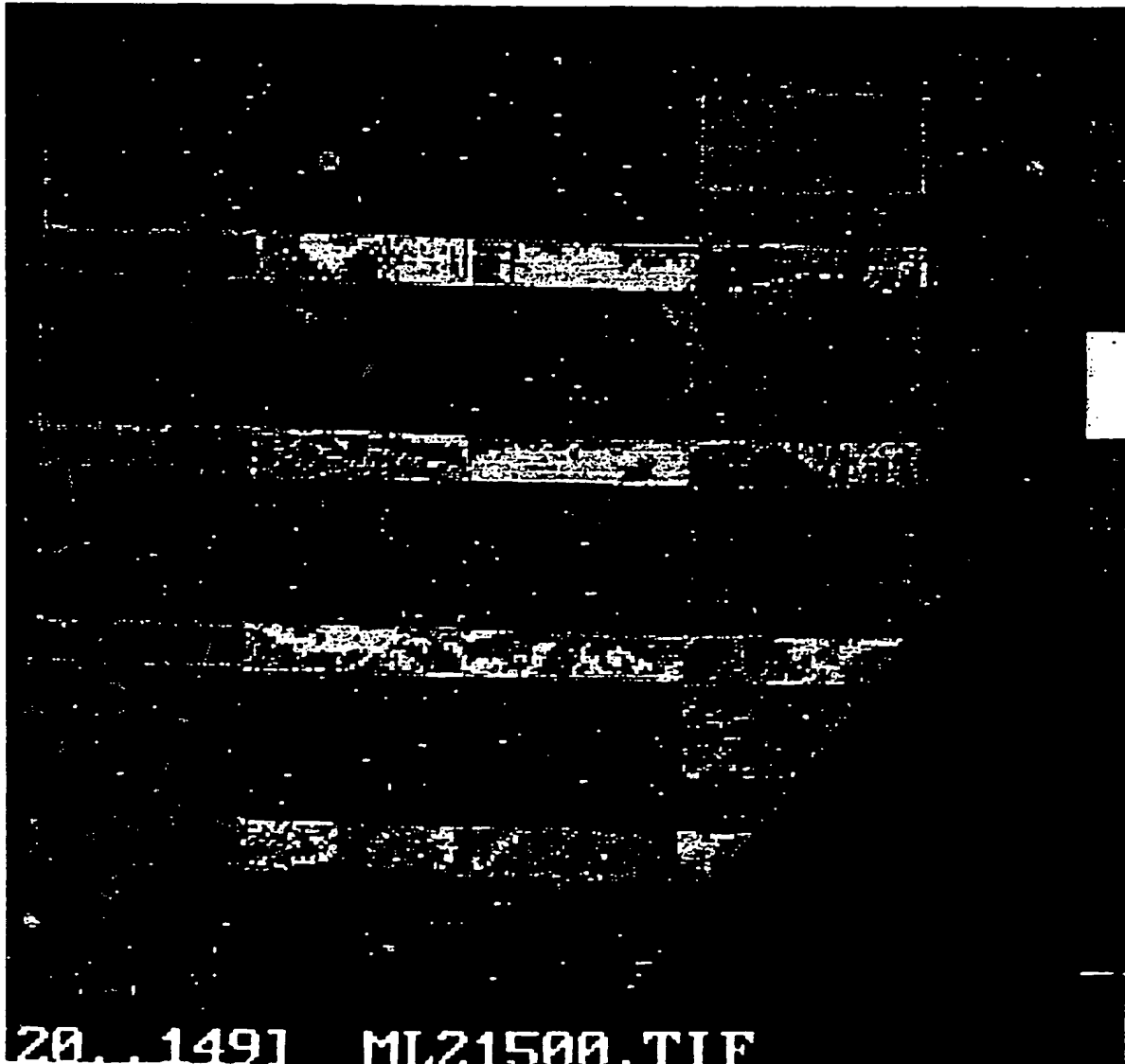
P a A G

<u>Y</u> PGFL	<u>Y</u> aGFL	<u>Y</u> AGFL	<u>Y</u> GGFL
<u>f</u> PGFL	<u>f</u> aGFL	<u>f</u> AGFL	<u>f</u> GGFL
<u>w</u> PGFL	<u>w</u> aGFL	<u>w</u> AGFL	<u>w</u> GGFL
<u>y</u> PGFL	<u>y</u> aGFL	<u>y</u> AGFL	<u>y</u> GGFL

Y
f D set
w
y

FIG. 22 B

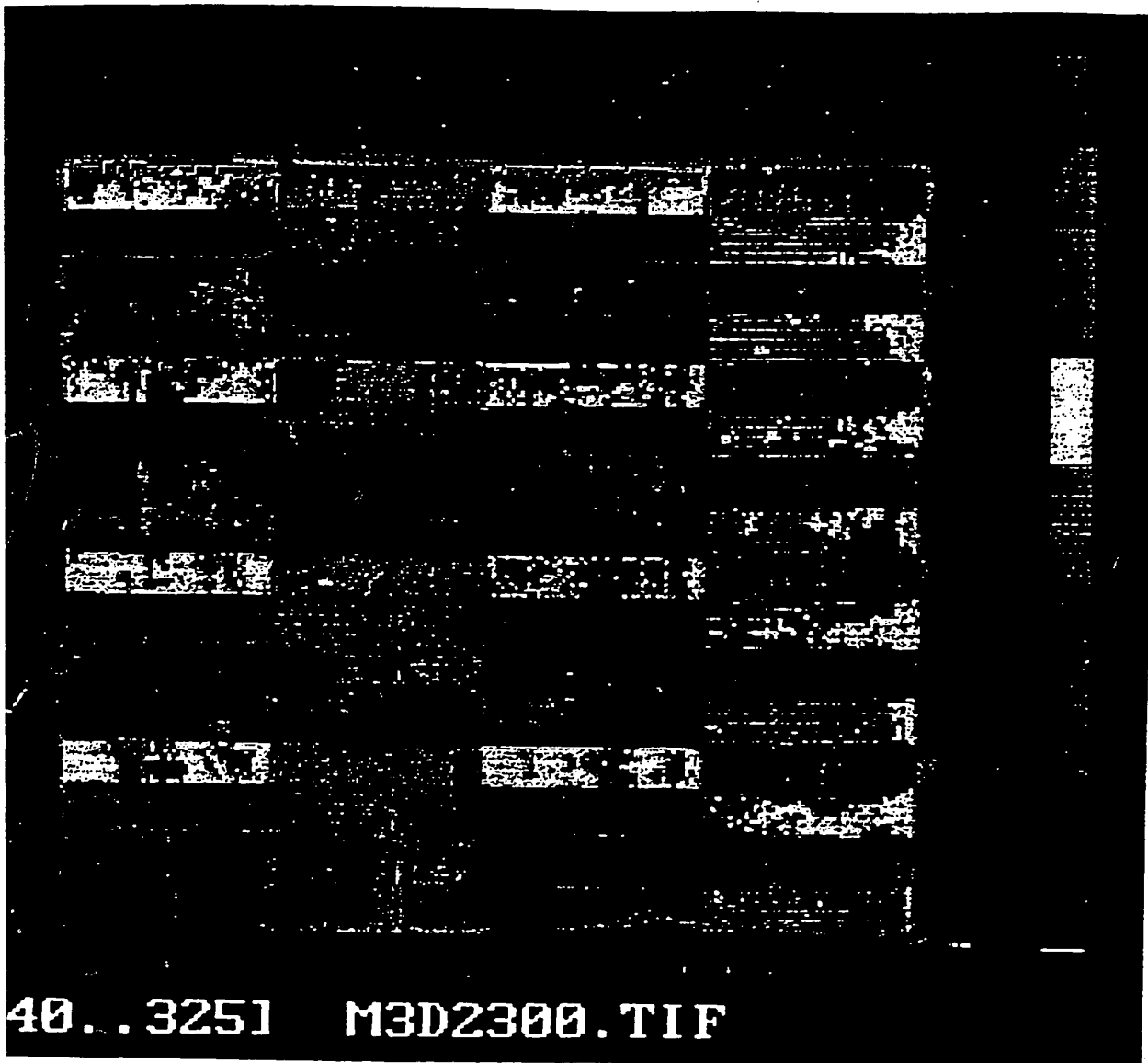
FIG. 23



149,000

20,000

FIG. 24



325,000

400,000

40...3251 M3D2300.TIF